

Vol. 62

January 1996

Issue 611



CLUB REPEATERS

VE3TBR

Phone: 807-767-7661
Listen: 146.820 MHz
Txmit: 146.220 MHz
Listen: 444.825 MHz
Txmit: 449.825 MHz

VE3YQT

Phone: 807-767-5492
Listen: 147.060 MHz
Txmit: 146.460 MHz

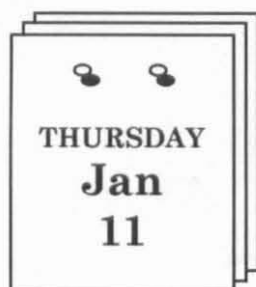
WEEKLY BREAKFASTS

Saturdays 9:30 a.m.
Blue Parrot Restaurant
376 Lisgar Street
(Off Memorial Avenue)

2m MINI-NET

Mondays 7:00 p.m.
VE3YQT Repeater.

NEXT MEETING



7:30 p.m. Room 214
McIntyre Building
Confederation College

SHORTWAVES

Well, another Christmas has come and gone and another New Year has begun. I hope that everyone had a very enjoyable holiday season.

Len, VA3LEB pointed out a slight mistake in the LARC Internet home page address. It should have read: <http://www.foxnet.net/larc/larc/html>.

I would like to wish Terry, VE3TKA and Skip, VE3BBS all the success in their new joint business venture that they started up this January.

Good news for the link to Grand Marais. The repeater at their end has been fixed and is back on the air. With any luck, we should have a fully operational link going in the new year. Also, Morse code practice will start in January on the VE3TBR repeater. It only takes a few weeks of hard work, a few minutes a day of listening to master 5 wpm. In the Coast Guard, you learn to type and copy code at the same time. After 6 weeks, you needed 6 wpm code and a 20 wpm typing speed. I got really motivated, really fast. My future career depended on some dedication, discipline and plain hard work. "Sink or swim, kid." That was the extent of my tutoring!

Speaking of CW, the FCC just issued a ruling supporting the continued requirement for CW proficiency on the HF bands. Amateur radio is not no-brainer radio. It's intended to be an active and not passive activity. You are supposed to be enhancing your skills and abilities and usefulness for the public good and service and experimenting and building. Believe it or not, that's the definition of the Amateur Radio (Experimental) Service. Service, not hobby! Let's here from the old-timers about this.

The Amateur Radio News Service sponsors an annual newsletter contest. I didn't pay much attention to the proposal passed by the club to join this news service but have changed my mind over the past few months. Without support from club members, newsletter editors have to rely on another source for amateur radio related material. Anyway, I've entered *HI-Q* into the contest and signed up for a membership. A lot of hard work goes into a club newsletter and it requires the same effort from *all* club members. How about some ham club spirit and pride in 1996!

The ancient Romans, at this time of year (the festival of Janus), made resolutions for the coming year. Most of our "Christian" festivals are based on old pagan ones to keep the converts happy and the Roman empire safe.

There's an old Chinese "curse": "May you live in interesting times."

Much prosperity, health and happiness in 1996. May you, indeed, live in interesting times. Happy New Year!—Ed.

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1995/1996 LARC

Founding President
P.J. (Pat) O'Shea, VE3FW
1881-1972

In honour of the memory of our founding president, Mr. P.J. O'Shea, the club callsign is VE3FW.

Senate
Bill Roberts, VE3ARN
Keith Fiske, VE3JQ
Bert Lambert, VE3BKY
Ray Greer, VE3CH
Hugh Elliott, VE3EDW
Bill Klemacki, VE3AJ

Executive Board
President: T. Stewardson, VE3TKA, 577-9439
Vice Pres: Ed Baumann, VE3SNW, 622-1216
Secretary: Norm Bell, VE3XRC, 577-9316
Treasurer: "Skip" Wright, VE3BBS, 767-2307
Directors: Ian Mellis, VA3RIM, 577-1628
Dave Horne, VA3DVE, 344-9325
Don Bel, VA3DPB, 473-5482
John Watson, VE3GTX, 683-3199
Mem.Sec: John Watson, VE3GTX, 683-3199
Past Pres: Mark Vukovich, VE3VUK, 345-5856
HI-Q Ed: Robert Mazur, VA3ROM, 344-7731

Club and Newsletter Information

HI-Q is published by the Lakehead Amateur Radio Club, Inc., an Ontario registered non-profit corporation. The opinions expressed or implied in issues of *HI-Q* are those of the author. The LARC assumes no responsibility for the accuracy or the information submitted.

Material in *HI-Q* may be copied for non-profit use provided that credit is given to the source. Contributions related to amateur radio, especially those articles of interest to northwestern Ontario amateurs are encouraged. Material can be submitted in WordPerfect® format or as a text file or via fax to: 807-345-2688 or via packet radio to: VA3ROM@VE3TKA#NON.ON.CAN.NA or voice mail on the VE3TBR repeater to user 159 or via Email to: bob.mazur@oln.com. Send material or dated announcements no later than the 20th of the month in which it is to appear.

To reduce production and distribution costs, advertising at the following per issued rates is accepted: full page—\$60.00, 1/2 page—\$40.00, 1/4 page—\$20.00 and 1/8 page—\$15.00. Reduced rates (1/3 off) are available upon receipt of advance payment for 10 issues (one full year). Send your ad copy and cheque (payable to the LARC) to the club address listed below. Advertising in *HI-Q* does not imply an endorsement or recommendation of the product or service by the LARC.

LARC membership fees are set for the year as follows: regular—\$30.00, associate—\$20.00, associate (attending ham classes)—\$80.00, student (attending school full-time)—\$15.00 and family—\$30.00 plus \$10.00 for each additional family member living at the same address. *HI-Q* is sent to all LARC members but only one copy is mailed to each address.

Mailing Address

The club mailing address is: The Lakehead Amateur Radio Club, Inc., Suite 184, 1100C Memorial Avenue, Thunder Bay, ON, P7B 4A3, Canada.

Internet Home Page

Len, VA3LEB sponsors an Internet home page for the Lakehead Amateur Radio Club. The address is: <http://www.foxnet.net/larc/larc.html>.

Thunder Bay Voyageur Award

The LARC, in cooperation with the City of Thunder Bay, sponsors this award. Anyone working or monitoring 5 Thunder Bay amateur radio stations qualifies. Send your log copy with callsigns, dates, times, frequencies and \$2.00 Canadian to the club address listed on this page.

The Mailbox FREE BBS

Members of the LARC can join a free BBS service, sponsored by Gary Elder. You need a computer with a terminal program and a modem.

To try out the BBS or to register with Gary, call 475-7405. Set your modem for 8 data bits, 1 stop bit and No parity with ANSI terminal emulation.

Moving? HI-Q Submissions?

Send your change of address or submissions to:

The Lakehead Amateur Radio Club, Inc.
Suite 184, 1100C Memorial Avenue
Thunder Bay, Ontario, P7B 4A3
Canada

Meeting Minutes by Norm, VE3XRC

Minutes of a meeting of the Lakehead Amateur Radio Club held in Room 214 at Confederation College, Thunder Bay, Ontario on December 14, 1995.

The meeting was called to order at 7:30 p.m. by the President VE3TKA, Terry Stewardson with 31 members and guests in attendance. The meeting started with a round-table of those in attendance introducing themselves.

Minutes of the previous meeting

The minutes of the previous meeting held November 9, 1995 were published in detail in the December edition of *HI-Q* and mailed to all members. **Motion:** moved by VE3BHN, Bob Gillespie and seconded by VA3BRN, Gerry Burney that the minutes be accepted as published. **Carried.**

Correspondence: none.

Treasurer's Report

VE3BBS, Skip Wright reported the annual 1995 financial statement as of December 14, 1995 as follows:

Balance as of November 9, 1995:
\$1,646.21

Income: 1,730.00
Expenses: 948.10

Balance as of December 14, 1995:
\$2,428.11

Motion: moved by VE3AJ, Bill Klemacki and seconded by VE3BHN that the Treasurer's report be accepted. **Carried.**

President's Report

VE3TKA, Terry Stewardson
Upsala Repeater Update: VE3DOM, Dave McClenaghan has intervened on our behalf to have Bell Canada leave the repeater equipment formerly used by Trans

Canada Pipelines at the Upsala site for the Club's use. The club will have to retrieve the duplexers to see if they can be retuned to our frequencies. Industry Canada may be able to help with a frequency research of users on the towers at this site. It will be spring '96 before anything is on the air at Upsala.

Code Classes: will start on Wednesday, January 10, 1996 from 7:00 p.m. to 8:00 p.m. at the residence of VE3XRC, Norm Bell, 217 University Drive. If you are interested, please call Norm at 577-9316. At approximately the same time, code practice will start on the VE3TBR repeater.

Hats and Crests: VA3DPB, Don Bel has hats and crests with the club logo on them for sale. Hats are \$10.00 and the crests are \$5.00. The hats come in several different styles and look real good.

Bear Grease Sled Dog Race and I500 Snowmachine Race: the Bear Grease race will run Monday, Tuesday, Wednesday, Thursday and Friday, January 22nd to 26th, 1996. The Lakehead Amateur Radio Club will run the communications at the Grand Portage check point. Sufficient operators have been recruited. Two rooms have been set aside, one for operating and one for sleeping.

The following weekend, the I500 will start from Old Fort William on Sunday, January 28th, 1996. Again, the Lakehead Amateur Radio Club will be supplying communications for the Thunder Bay to Grand Marais portion of the race. Approximately 20 operators will be required for the day.

Sibley Ski Tour: will be held on Saturday, March 2nd, 1996.

Old Business

RAC Membership: approximately 12% of the club membership belong to Radio Amateurs of Canada (RAC). There are approximately 140 members in the club. A new

membership list will be printed in the January edition of *HI-Q*.

New Business

Call Book: individuals have been working on it for the last three months. There are about 400 changes since the last call book was published in 1994. The estimated cost of the new call book will be from \$5.75 to \$6.00 plus taxes and shipping. To break even, the selling price of the call book will be approximately \$10.00. Three different firms were asked for quotes to do the printing and binding. There will be 1700 calls in the new book. To get the best production cost, a minimum of 300 call books is required. A committee will be set up to work on the format for the new call book.

Adjournment: moved by VE3ZG, Mike Nawrocki that the meeting be adjourned. **Carried.**

50/50 Draw: the winner of the 50/50 draw was VE3TKA, Terry Stewardson.

"QLF" (quick left foot) Contest

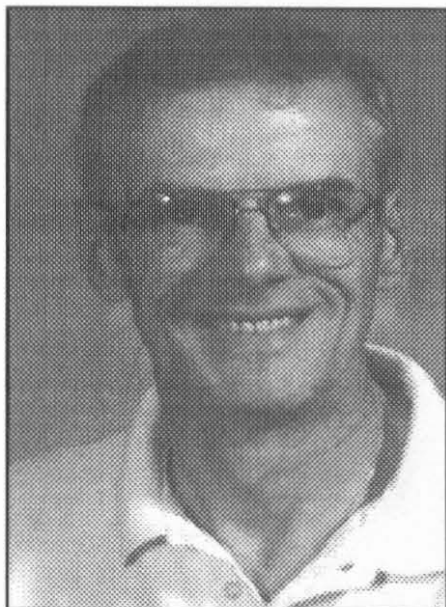
As the tradition continues, the Quick Left Foot contest was held. A demonstration of the device was provided by VE3BBS, Skip Wright who even took off his sweaty left skidoo boot much to the annoyance of the secretary who was sitting beside him.

VA3WRL, Wayne Letang was the first volunteer to put his best foot forward. To enhance his chances at the non-existent prize, Wayne turned his hat around to send Merry Christmas with his left foot. VE3XLB, Linda Bell was the first YL to give it a try. This is the first CW she has sent since the contest last year. VE3SNW, Ed Baumann put his best foot forward to impress the blonde that was with him. When his foot wouldn't work worth a darn, he picked the device up and used his hand.

(Continued on page 4)

Personality of the Month by Ian, VA3RIM

Dave Kimpton, VE3AVS



(Continued from page 3)

VE3BHN, Bob Gillespie was too lazy to move and he tried sending Merry Christmas under the table (you had to be there to see it).

VE3PHU, Pat Pugh did a fantastic job of sending Merry Christmas in the Finnish language. VE3AVS, Dave Kimpton did his special rendition of "think snow" in CW. Dave also had a plan for those who ski and want to learn Morse code at the same time.

VA3BRN, Gerry Burney was Dave's student for this demonstration, complete with ski poles. The poles were labeled "dit" and "dah". With this new technology, Gerry should have his code in no time.

Food for thought: Dave Kimpton, VE3AVS suggested that club members re-read the article written by VE3SNW in the September 1995 edition of *HI-Q* with regard to repeater etiquette. He also suggested that we approach VE3VUK, Mark Vukovich and see if we can have a "jaw bone" award made up for annual presentation.

Dave Kimpton, VE3AVS was born in 1939 and is a member of the Lakehead Amateur Radio Club.

Dave's early years were spent in the little village of Agincourt which is now part of Metropolitan Toronto, Ontario. His brother-in-law (in later years) was a General Electric engineer and it was from this man that Dave at about 15 years of age, developed a life-long interest in shortwave listening. Dave's first shortwave receiver was a Knightkit of the regenerative type. At that time, Dave says that there were many pieces of radio equipment of excellent quality that were being sold at every low price following the second World War. Because Dave had a part-time job that paid fifty cents per hour for pumping gas, he was able to buy a BC348 radio receiver for \$60.00.

When his high school education was completed, Dave went to the Federal Department of Transport office in Toronto and applied for entry into the Radio College of Canada. About fourteen applicants applied also but only three were accepted and Dave was one of them.

Dave began his radio courses in July, 1957. He already knew Morse code which he learned from listening to shortwave radio and because Dave had agreed to take a position anywhere in Canada upon graduation, the Department of Transport put him under contract. This allowed Dave to have his tuition paid and get a living allowance of \$175.00 per month.

The courses at the Radio College of Canada were not easy. Dave said that they were allowed to fail three tests but then they would be told to leave and reimburse the Department of Transport for the education they had already received. Dave completed the course and even earned his amateur radio license and

received the callsign VE3CFK.

In July, 1958, Dave graduated from the Radio College of Canada with a 2nd Class Certificate of Proficiency. After graduation, from the Radio College of Canada, Dave was sent to Malton Airport near Toronto for a six weeks course in weather observations. As a trained weather observer and radio operator, Dave was then sent to Kapuskasing, Ontario. Dave loved the time that he spent there. Apparently the amateur radio operators were a wonderful group. He stayed with Dudley Rider, VE3AVS who became a Silent Key in 1961. Dave asked for Dudley's callsign and received permission to use it and henceforth he became known as Dave, VE3AVS (Always Vanishing Snow).

Dave was soon sent to Earlton, Ontario as a weather observer and radio operator. It was the task of the weather observers to provide weather data to the Department of Transport who monitored Canadian weather patterns for use by such people as airplane pilots. In Earlton, Dave was on 24 hour shifts and he says that he got much overtime. He even had time for amateur radio operating with his DX35 and British Commander receiver.

In 1960, Dave was transferred to the Fort William, Ontario with the same responsibilities. While here, Dave was married to Margaret and he had time to operate his beautiful SB35 mobile HF radio. While here, he even had time to take a psychological test from the University of Manitoba to determine if he could stand the stress of functioning in a remote Arctic environment. Dave does not know if he passed or failed but within a year of having arrived in Fort William, he was transferred to Southampton Island on the north side of Hudson Bay and operated as VE8PH.

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Dave mentioned the flight from Winnipeg, Manitoba into Southampton Island with a bit of trepidation (fear) in his voice. During the flight, a blizzard struck making visibility nonexistent and navigation had to be done by instruments. Eventually the plane bounced onto the runway on Southampton Island. The next day he was given a tour of the settlement, Coral Harbour, (population 16 people) where they had landed. The tour, according to Dave, took all of three minutes but it did include a visit to the "airport" where he had landed. The sides of the runway was strewn with wreckage of planes that had not made it!

In recalling his time on Southampton Island, Dave mentioned that in the early 1960's, telephones were not in the Arctic and communication had to be done by radio. Dave was again making his weather reports but he was also handling radio traffic along the DEW LINE and to other Arctic bases and of course radio traffic of the unofficial nature. He says that he could send CW at 35 wpm by typing. Apparently there was much operating and lots of DX but they could often go for a week at a time without HF.

By 1962, Dave had left the Arctic and was back in the Thunder Bay area but this time he was to work at the Port Arthur Monitoring Station on John Street near Murillo, Ontario. Here he operated Racal receivers and monitored radio traffic that was related to the East/West Cold War for the Canadian Government. He had to take a course in Ottawa to do this. There was also experimental work being done for the military establishment but in 1968, Dave terminated his employment with the Department of Transport.

Dave had been persuaded to become a teacher of electronics with the Fort William Board of Education (now the Lakehead Board of Education) at Selkirk Collegiate and

Vocational Institute. Dave soon had established a school radio station known as VE3SEC. It was very active and over the years many students were introduced to radio communication and many went on to get their amateur radio licenses. In 1988, the school was closed and Dave transferred. Dave's new school was Sir Winston Churchill Collegiate and Vocational Institute and once again he installed a radio station. This time it was known as VE3SWC. Again Dave influenced an enormous number of students.

Along with electronics and amateur radio, Dave was the cross-country running coach. Dave even rode his bicycle to work as a commuter. Outside of the school setting, Dave says that raising a family required much time and not much was left for amateur radio but evidently some time was found. Dave used to be very active in Field Days. In 1964, on the 30th anniversary of the Lakehead Amateur Radio Club, he assisted in operating from the window of the Eaton department store at the corner of Red River Road and Court Street with a dipole on the roof. Over the years, Dave has been a LARC vice-president and an editor of *HI-Q*. Dave wrote the manual for the amateur radio course and then he even taught the course.

In the 28 years that Dave has been in Thunder Bay, he has made an enormous contribution to the people of this community. In June, 1995, Dave finished one of his activities when he left the employment of the Lakehead Board of Education and it might be thought his story would be closing but such is not the case.

Dave is a man of many talents and one of these is his ability to play a guitar and since he loves to work with young people, some years ago he became the manager of the Kam Valley Fiddlers. The Kam Valley Fiddlers are well known having played at dances, in the malls, at Old Fort William and

at the World Nordic Games. They also go to national and international fiddling contests. Several of these young people have won prestigious awards. The group are also paid for their performances making them professionals. How Dave manages to be allowed to play a guitar on stage with a group of young fiddle players remains one of those unsolved mysteries; it must be his age!

The person that Dave mentioned as being responsible for his love of music was the late Wilma Ayre from Lakeview Presbyterian Church and the French-Canadian style of music comes from the Kapuskasing-Earlton region where his first jobs were located and that is also the region from which his amateur radio callsign, VE3AVS, originated many years ago.

Dave's interests are in music, listening to shortwave broadcasts, skiing, running and cycling. He talked of ARQ channels and listening to INTERPOL traffic. He talked of RTTY, FAC, and AUTOR. He talked of UTILITIES with ship to shore communications. A tip from the radio listening expert, Dave VE3AVS, is that by listening to Christian Science Monitor news broadcasts gives a person the most comprehensive, unbiased coverage of world news that is currently available. Dave wants to learn more about packet radio and radio bulletin board systems. He would like to be involved in forming a RTTY network on VHF within Thunder Bay. Dave also continues his running and skiing.

Dave, you set a pace that is hard to follow. Over the years you have positively enriched the lives of hundreds of young people as a teacher and now you continue to bring enjoyment to everyone who hears you as a musician. May your days to come continue to be filled with active sports activity, radio listening and broadcasting, music and more learning and teaching.

Those of us in the Lakehead Amateur Radio Club are fortunate and proud that you are counted as one of us.

CANADIAN LAKEHEAD WIRELESS EXPERIMENTERS Regular Dinner meeting, March 5th, 1935

A regular dinner meeting of the Canadian Lakehead Wireless Experimenters was held on Tuesday, March 5th, 1935, in the Y.M.C.A., Fort William, with 28 members and guests present.

After an enjoyable dinner, the President, P.J. O'Shea, VE3FW called on Mr. J. Murie of the Canadian General Electric Company who explained the cause of the controversy in connection with radio tube prices.

Following this, Joe Sky, VE3HA of the Ontario Forestry Branch station at Sioux Lookout gave a talk on the equipment used by the Branch and the general procedure adopted by them.

C. MacDonald, VE3GS of Port Arthur gave an interesting and instructive talk on antennas and the relative skip distance of the different types and also propounded a new idea on the feasibility of a "rotating" antenna with reflectors.

The District Radio Inspector, A.C. Powley then told about irresponsible parties bootlegging the calls of legal amateurs and gave suggestions as to how these unlicensed (operators) could be apprehended.

A very interesting and humorous talk was then given by Bert Barley, VE3??? on some of his early experiments with crude radio apparatus.

Adding a little more to what had been said by the previous speakers and also giving a helpful tip to simplify break-in with multi-tube transmitters, Mike Cavaney, VE3GG of Hydro completed a very enjoyable list of speakers.

Mr. C. Partington, VE3HW then introduced Mr. George McDonald of the CNR Telegraphs, Winnipeg, who came down especially to show some

very interesting slides in connection with their carrier systems and landline telegraphy. The slides and the explanations given by Mr. McDonald were interesting and enjoyable.

The thanks of all those present were extended to Mr. McDonald of Canadian National Telegraphs and to Mr. Partington, VE3HW for arranging for the showing of the slides.

Following a general ragchew the meeting then adjourned to the Victoria Grill where a good time was had by all.

The following were present:

A.C. Pawley, DRI
C. McDonald, VE3GS
M. Cavaney, VE3GG
J. Sky, VE3HA
E. Trembley, VE3PY
B.W. Davidson, VE3???
A. Duncan, VE3LY
J. Fieldhouse, VE3FQ
G. Williamson, VE3???
B. Barley, VE3???
T. Roots, VE3???
E. Moore, VE3KN
B. Rudman, VE3UE
L. Harris, VE3GB
W. Blennerhassett, VE3AGA
T. Greer, VE3ACV
R. Van Wyck, VE3BY
Mr. Robertson, VE3???
Mr. Fraser, VE4NA
C. Partington, VE3HW
P.J. O'Shea, VE3FW
R. Godsolve, VE3RA
Mr. Strath, VE3???
Dr. Quakenbush, VE3CH
K. Fiske, VE3JQ and
B. Grant, VE3SJ

A few of the above callsigns have question marks rather than a normal suffix. If any of our readers can help by filling in the unknown callsigns or can supply any old club records, contact Jim, VE3UA at 935-3010 or Box 103, Murillo, ON, P0T 2G0.

*We've all heard the cry "abandon the code!,
it's useless outdated, NOT a modern mode!"
So I said to myself, "could codes day really be over?"
Best left for SKs' fer-til-iz-n' the clover?"*

*So off went my paddle 'n keyer to a museum,
so those curious of our "past" could drop in an' see um.
I then bought a computer and a box I was told...
would update my station, using all hi-tech modes.*

*It then was set up, all by my own hand...
the screen it lit up, et voila-E0 Heard Island!
I switched to transmit to "talk with this gent."
but my screen read, "Sorry, can't copy 100%!"*

*"There's static, interference if you could hear it you'd agree...
if it ain't armchair copy we machines cry c'est la vie!"
It then said, "There is as YOU know a way to get through,
it's called the code, and what luck for you!"*

*"You've learned this art, you "stuck it out"
'tis a valuable tool, there isn't a doubt."
"You've invested your time, and besides the code you did learn, possession of valuable skills must be EARNED!"*

*So, I say to you now don't get fooled when some say...
"Codes an' old dinosaur fadin' away!"
It's part of our past, present and future existence...
anti-coders prepare for beaucoup de resistance."*

—73 de Gary Spence VA2CK.

V
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STARTEK-STYNTHETIC TEXTILES-TELEX HYGAIN-TEXPRO-TIME WAVE-TRYLON
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HOURS OF OPERATION 1000-1800 MONDAY THRU SATURDAY
CONSIGNMENTS (NEW AND USED)

V
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Odds 'n Ends

Dan, VE3DWP celebrated his 30th birthday on December 22nd, 1995. Certainly, a rousing chorus of "Happy Birthday to You" would be appropriate at the next club meeting!

Karel, VA3KBJ, after a year of "CW torture" passed his 12 wpm code test much to the delight of the V.E. Ed, VE3SNW.

Skip, VE3BBS and Terry, VE3TKA have become business partners and setup shop in the Dawson street store across from Five Mile School on Dawson Road. If you get to the Dog Lake turnoff, you've gone to far or you keep going and can visit Mark, VE3VUK's camp! Much success in your joint venture.

CQ Publications has started a new magazine called *CQ VHF The World Above 50 MHz*. It's aimed at the beginner amateur and was as

experienced VHF operators. There's a lot of tips that I picked up from the first issue. So, if you want to really learn about VHF operations, why don't you pick up a copy at Folino's store on Algoma Street (one place for sure that stocks amateur radio magazines).

On the other side of the coin, Wayne Green Publications has ceased the publication of *Radio Fun*. Apparently, not enough new amateurs care about learning about the ABC's and how-tos of HF operations, building and experimenting. Maybe CQ Publications has found an answer to the malaise of the Basic-no-code and Tech-no-code amateurs.

Industry Canada is looking into a "spectrum usage" fee structure for Canadian amateurs. Meaning, you'll

pay for the bands and possibly modes that you want to work in. Bet that CW operators will pay less because of the narrower bandwidth and usually lower power involved (EME excluded!) Time will tell what Industry Canada has in store for us. Radio Amateurs of Canada will play a big part in the ongoing decentralization of government services i.e. privatization of services for licensing, callsigns, testing, etc.

But, if you don't belong to RAC, you don't have much say in what the future of amateur radio (in Canada) in the 21st century. Industry Canada only recognizes RAC as the sole representative of radio amateurs in Canada. So, if RAC shapes a future that you don't like, well, how much did you contribute with your membership and participation?—Ed.

LARC 1996 Membership List

| | | | | | |
|--------|----------------------|--------|--------------------|----------------|----------------------------|
| A1 | John Copeland | VE3AZB | Alan Bate | VE3NEQ | John Ney |
| A10 | Mayor David Hamilton | VE3BBS | L.M. (Skip) Wright | VE3NHX | Lindo Scalese |
| A15 | Ann Droppo VE3ZZA | VE3BCD | Laurie Bridgett | VE3NPS | Nestor Procup |
| A8 | Rod Thompson | VE3BHN | Bob Gillespie | VE3OPF | Axel Rehfuß |
| C1 | Algoma ARC | VE3BKY | Bert Lambert | VE3OPI | Richard Barry |
| C4 | Worldradio News | VE3CAP | Don Wright | VE3OTK | Kelly Jordan |
| C6 | RAC Bulletin Editor | VE3CH | Ray T. Greer | VE3OTV | Ine Rehfuß |
| C13 | Woody Linton, VE3JJA | VE3DDZ | Dolores Fiske | VE3OTW | Dan Driscoll |
| C15 | W. Maslyucov, UA0SN | VE3DJM | Murray Fox | VE3OTZ | Frank Pianka |
| C18 | ARNS | VE3DP | Stephen Bush | VE3PHL | John Kuzma |
| C19 | Calgary ARA | VE3DPJ | Peter Boyle | VE3PHU | Pat Pugh |
| C20 | Moncton ARC. | VE3DQS | Susan Darling | VE3RJR | Bob McLean |
| C21 | Randy Haglin, N0BZZ | VE3DZR | Dwayne Randle | VE3RUE | Eric Rupprecht |
| C22 | Sudbury ARC | VE3EBL | Erik Lehtinen | VE3RUR | Alexiss Rusnak |
| C8 | Arrowhead ARC | VE3EDW | Hugh Elliott | VE3RVA | Bob Hansen |
| | | VE3EDX | Mike Skillen | VE3RZL | Bob Loveday |
| VA2CK | Gary Spence | VE3EDZ | Ray Forslund | VE3SLY | Primo Scalzo |
| VA3BEL | Vic Bel | VE3EEI | Matti Nummelin | VE3SNW | Ed Baumann |
| VA3BRI | Brian Fedoruk | VE3EFZ | Ken Rusnak | VE3TKA | Terry Stewardson |
| VA3BRN | Gerry Burney | VE3ELV | Betty Loveday | VE3TRE | Gwen Anderson |
| VA3DIZ | Patrick Wilson | VE3EMI | John Kaleta | VE3UA | Jim O'Brien |
| VA3DJS | Daniel Simko | VE3EVJ | Dennis Lowe | VE3UDY | Judy Pianka |
| VA3DPB | Don Bel | VE3FLB | Rob Van Wyck | VE3UQM | Walter Sitko |
| VA3DVE | Dave Horne | VE3FLM | Gary Gilbert | VE3VGV | Martin Cheredaryk |
| VA3EAP | Judy LeFevre | VE3FTS | Bill Matthews | VE3VSN | Trevor Bishop |
| VA3EI | Wally Tokar | VE3GTx | John Watson | VE3VUK | Mark Vukovich |
| VA3ER | Ed Rehfuß | VE3GWT | Garry Michaluk | VE3WF | John Hastie |
| VA3GD | Pat Doherty | VE3HZW | Mike Wolowich | VE3WRZ | David Ross |
| VA3GOT | Randy Gottfred | VE3ICY | Glen Wallace | VE3XAL | Al Foley |
| VA3IOU | Alan Parnell | VE3JAB | Bob Bishop | VE3XAW | Annabelle Randle |
| VA3JMS | John Sacek | VE3JAJ | Les Brown | VE3XET | Eric Todd |
| VA3KBJ | Karel Brozak | VE3JQ | Keith Fiske | VE3XJD | Jim Dixon |
| VA3KNS | Ken Macko | VE3JXR | Julie Dixon | VE3XJR | Jeff Regan |
| VA3LEB | Len Bougie | VE3KRH | Steve Robb | VE3XLB | Linda Bell |
| VA3MOB | Maureen Bell | VE3KRI | Deb Robb | VE3XRC | Norm Bell |
| VA3NES | William Bell | VE3KRM | Martin Dehoop | VE3XT | Bill Unger |
| VA3RIM | Ian Mellis | VE3KRV | Vlad Kruzick | VE3YYM | William Link |
| VA3ROM | Bob Mazur | VE3KRZ | Gerry Lyngstad | VE3ZG | Mike Nawrocki |
| VA3SAM | Sam Shonias | VE3KV | Len Catillo | | |
| VA3TFS | Terry Saunders | VE3KVJ | Ken Wright | Student | Agnes Collins |
| VA3VJH | Vern Hicks | VE3LMI | Rob Shaw | Student | Bob Neill |
| VA3WOX | Markku Lahti | VE3LMM | William Astle | Student | Kelly Milne |
| VA3WRL | Wayne Letang | VE3LMT | Bob Hartley | Student | Paul Heino |
| VA3XRO | Terry Nishibata | VE3LMV | Bill Wainio | Student | Robert Carrier |
| VE3AFF | Cliff R. A. Grove | VE3MEN | Mel Simenac | Student | Russ LeFevre |
| VE3AJ | Bill Klemacki | VE3MJN | Marion Nawrocki | Student | Sal Farno |
| VE3ARN | Bill Roberts | VE3MPT | Manuel Migueis | | |
| VE3AVS | Dave Kimpton | VE3NCN | Joan Klemacki | <i>Advise</i> | <i>VE3TKA, Terry o</i> |
| VE3AXL | Phil Moorey | VE3NDZ | Nevelle Denetto | <i>VE3BBS,</i> | <i>Skip of errors.—Ed.</i> |